

Title (en)

Heterocyclic compounds suitable for treating disorders that respond to modulation of the dopamine D3 receptor

Title (de)

Heterocyclische Verbindungen zur Behandlung von auf eine Modulation des DopaminD3-Rezeptors ansprechende Erkrankungen

Title (fr)

Composes hétérocycliques convenant pour traiter des maladies sensibles une modulation du récepteur d3 de la dopamine

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Application

EP 10183328 A 20051014

Priority

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Abstract (en)

The invention relates to compounds of the formula (I) wherein n is 0,1 or 2; G is CH₂ or CHR₃; R₁ is H, C₁-C₆-alkyl, C₁-C₆-alkyl substituted by C₃-C₆-cycloalkyl, C₁-C₆-hydroxyalkyl, fluorinated C₁-C₆-alkyl, C₃-C₆-cycloalkyl, fluorinated C₃-C₆-cycloalkyl, C₃-C₆-alkenyl, fluorinated C₃-C₆-alkenyl, formyl, acetyl or propionyl; R₂, R₃ and R₄ are, independently of each other, H, methyl, fluoromethyl, difluoromethyl, or trifluoromethyl; A is phenylene, pyridylene, pyrimidylene, pyrazinylene, pyridazinylene or thiophenylene, which can be substituted by one or more substituents selected from halogen, methyl, methoxy and CF₃; E is NR₅ or CH₂, wherein R₅ is H or C₁-C₃-alkyl; Ar is a cyclic radical selected from the group consisting of phenyl, a 5- or 6-membered heteroaromatic radical comprising as ring members 1, 2 or 3 heteroatoms selected from N, O and S and a phenyl ring fused to a saturated or unsaturated 5- or 6-membered carbocyclic or heterocyclic ring, where the heterocyclic ring comprises as ring members 1, 2 or 3 heteroatoms selected from N, O and S and/or 1, 2 or 3 heteroatom-containing groups each independently selected from NR₈, where R₃ is H, C₁-C₄-alkyl, fluorinated C₁-C₄-alkyl, C₁-C₄-alkylcarbonyl or fluorinated C₁-C₄-alkylcarbonyl, and where the cyclic radical Ar may carry 1, 2 or 3 substituents R_a, wherein the variable R_a has the meanings given in the claims and in the description; and physiologically tolerated acid addition salts thereof. The invention also relates to the use of a compound of the formula I or a pharmaceutically acceptable salt thereof for preparing a pharmaceutical composition for the treatment of a medical disorder susceptible to treatment with a dopamine D3 receptor ligand.

IPC 8 full level

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